

***Amendments to the Claims***

The listing of claims will replace all prior versions, and listings of claims in the application.

Claims 1-27 (Cancelled).

28. (Currently amended) A transgenic non-human placental mammal whose genome incorporates a DNA molecule comprising a coding sequence operably linked to a regulatory sequence, wherein said coding sequence comprises having a first segment encoding a fusion partner protein which is lysozyme coupled in-frame to a second segment encoding a peptide not naturally found in milk, and wherein said fusion protein is expressed in the milk of said transgenic animal.
29. (Original) A transgenic mammal as claimed in claim 28, wherein said mammal is selected from the group consisting of a cow, a sheep, a goat, a rabbit, a mouse and a pig.

Claims 30-75 (Cancelled).

76. (New) The transgenic animal of claim 28, wherein said regulatory sequence is selected from the group consisting of:
  - (a) a promoter;
  - (b) a 5' untranslated region;
  - (c) a 3' untranslated region; and

(d) an enhancer.

77. (New) The transgenic animal of claim 28, wherein said regulatory sequence is that of a gene encoding a protein normally expressed in milk.

78. (New) The transgenic animal of claim 77, wherein said regulatory sequence is a  $\beta$ -lactoglobulin promoter.

79. (New) The transgenic animal of claim 28, wherein said second segment encodes a peptide selected from the group consisting of:

- (a) calcitonin;
- (b) parathyroid hormone;
- (c) glucagon;
- (d) glucagon-like-peptide-1;
- (e) a magainin;
- (f) a histatin;
- (g) a protegrin;
- (h) a clavanin; and
- (i) fragments thereof of any of (a) through (h).

80. (New) The transgenic animal of claim 28, wherein said lysozyme is human lysozyme.